CUMULATIVE INDEXES

VOLUMES 1-6

INDEX OF CONTRIBUTING AUTHORS

A

Allen, M. W., 5:247
Allen, P. J., 3:313
Artsikhovskaya, E. V., 2:157
Ashida, J., 3:153

B

Baigent, N. L., 3:231
Bailey, D. L., 4:1
Baker, K. F., 4:311
Baker, R., 6:263
Bateman, D. F., 4:119
Beckman, C. H., 2:231
Bennett, C. W., 5:87
Boosalis, M. G., 2:363
Bracker, C. E., 5:343
Brenchley, G. H., 1
Brook, P. J., 4:171
Brown, W., 3:1
Buddenhagen, I., 2:203

C

Cadman, C. H., 1:143
Calpouzos, L., 4:369
Campbell, R. N., 4:29
Christensen, C. M., 3:59
Clark, J. M., 6:295
Clark, W. A., 5:319
Cowling, E. B., 4:147
Crosse, J. E., 4:291
Cruickshank, I. A. M., 1:351

D

Darley, E. F., 4:103
Day, P. R., 4:245
De Ley, J., 6:63
de Zoeten, G. A., 5:223
Diener, T. O., 1:197
Dimock, A. W., 5:265
Domsch, K. H., 2:293
Duran, R., 6:213

E

Eckert, J. W., 5:391
Ellingboe, A. H., 6:317
Erwin, D. C., 1:375
Esau, K., 5:45

F

Fulton, R. H., 3:175
Fulton, R. W., 4:79

G

Galindo, J., 1:375
Gallegly, M. E., 6:375
Georgopoulos, S. G., 5:109
Gerdemann, J. W., 6:397
Goodman, R. N., 5:17
Goring, C. A. I., 5:285
Goto, M., 1:397
Graham, D. C., 2:13
Green, G. J., 5:183
Gregory, P. H., 6:189
Grogan, R. G., 4:29

H

Hanchey, P., 6:331
Heck, W. W., 6:165
Heitefuss, R., 4:221
Hepting, G. H., 1:31
Hickman, C. J., 4:195
Hildebrand, D. C., 2:101
Hirschmann, H., 2:57
Ho, H. H., 4:195
Hoffmann, J. A., 6:213
Hollings, M., 3:367
Holmes, F. O., 6:41
Holton, C. S., 6:213
Hooker, A. L., 5:163

I

Isaac, I., 5:201

J

Jewell, F. F., 6:23
Johnson, T., 5:183

K

Kaufmann, H. H., 3:69
Kelman, A., 2:203
Klement, Z., 5:17
Koch, L. W., 2:267
Kreutzer, W. A., 1:101
Krusberg, L. R., 1:219

L

Large, E. C., 4:9
Leben, C., 3:209
Lockwood, J. L., 2:341
Loegering, W. Q., 5:319

M

McWhorter, F. P., 3:287
Mandels, M., 3:85
Martin, J. T., 2:81
Menzies, J. D., 1:127
Middleton, J. T., 4:103
Miles, P. W., 6:137
Millar, R. L., 4:119
Moseman, J. G., 4:269
Mundry, K. W., 1:173
Muskett, A. E., 5:1

N

Niederhauser, J. S., 1:375
Norkrans, B., 1:325

O

Okabe, N., 1:397
Owens, R. G., 1:77

P

Paddock, W. C., 5:375
Park, D., 1:241
Parmeter, J. R., Jr., 1:51
Patrick, Z. A., 2:267
Peterson, R. S., 6:23
Pringle, R. B., 2:133

R

Reese, E. T., 3:85
Reichle, R. E., 1:51
Reichmann, M. E., 6:295
Rich, S., 2:253
Robertson, N. F., 6:115
Rohringer, R., 5:77
Rowell, J. B., 6:243
Rubin, B. A., 2:157

S

Samborski, D. J., 5:77;

CUMULATIVE INDEXES

VOLUMES 1-6

INDEX OF CONTRIBUTING AUTHORS

A

Allen, M. W., 5:247
Allen, P. J., 3:313
Artsikhovskaya, E. V., 2:157
Ashida, J., 3:153

B

Baigent, N. L., 3:231
Bailey, D. L., 4:1
Baker, K. F., 4:311
Baker, R., 6:263
Bateman, D. F., 4:119
Beckman, C. H., 2:231
Bennett, C. W., 5:87
Boosalis, M. G., 2:363
Bracker, C. E., 5:343
Brenchley, G. H., 1
Brook, P. J., 4:171
Brown, W., 3:1
Buddenhagen, I., 2:203

C

Cadman, C. H., 1:143
Calpouzos, L., 4:369
Campbell, R. N., 4:29
Christensen, C. M., 3:59
Clark, J. M., 6:295
Clark, W. A., 5:319
Cowling, E. B., 4:147
Crosse, J. E., 4:291
Cruickshank, I. A. M., 1:351

D

Darley, E. F., 4:103
Day, P. R., 4:245
De Ley, J., 6:63
de Zoeten, G. A., 5:223
Diener, T. O., 1:197
Dimock, A. W., 5:265
Domsch, K. H., 2:293
Duran, R., 6:213

E

Eckert, J. W., 5:391
Ellingboe, A. H., 6:317
Erwin, D. C., 1:375
Esau, K., 5:45

F

Fulton, R. H., 3:175
Fulton, R. W., 4:79

G

Galindo, J., 1:375
Gallegly, M. E., 6:375
Georgopoulos, S. G., 5:109
Gerdemann, J. W., 6:397
Goodman, R. N., 5:17
Goring, C. A. I., 5:285
Goto, M., 1:397
Graham, D. C., 2:13
Green, G. J., 5:183
Gregory, P. H., 6:189
Grogan, R. G., 4:29

H

Hanchey, P., 6:331
Heck, W. W., 6:165
Heitefuss, R., 4:221
Hepting, G. H., 1:31
Hickman, C. J., 4:195
Hildebrand, D. C., 2:101
Hirschmann, H., 2:57
Ho, H. H., 4:195
Hoffmann, J. A., 6:213
Hollings, M., 3:367
Holmes, F. O., 6:41
Holton, C. S., 6:213
Hooker, A. L., 5:163

I

Isaac, I., 5:201

J

Jewell, F. F., 6:23
Johnson, T., 5:183

K

Kaufmann, H. H., 3:69
Kelman, A., 2:203
Klement, Z., 5:17
Koch, L. W., 2:267
Kreutzer, W. A., 1:101
Krusberg, L. R., 1:219

L

Large, E. C., 4:9
Leben, C., 3:209
Lockwood, J. L., 2:341
Loegering, W. Q., 5:319

M

McWhorter, F. P., 3:287
Mandels, M., 3:85
Martin, J. T., 2:81
Menzies, J. D., 1:127
Middleton, J. T., 4:103
Miles, P. W., 6:137
Millar, R. L., 4:119
Moseman, J. G., 4:269
Mundry, K. W., 1:173
Muskett, A. E., 5:1

N

Niederhauser, J. S., 1:375
Norkrans, B., 1:325

O

Okabe, N., 1:397
Owens, R. G., 1:77

P

Paddock, W. C., 5:375
Park, D., 1:241
Parmeter, J. R., Jr., 1:51
Patrick, Z. A., 2:267
Peterson, R. S., 6:23
Pringle, R. B., 2:133

R

Reese, E. T., 3:85
Reichle, R. E., 1:51
Reichmann, M. E., 6:295
Rich, S., 2:253
Robertson, N. F., 6:115
Rohringer, R., 5:77
Rowell, J. B., 6:243
Rubin, B. A., 2:157

S

Samborski, D. J., 5:77;

5:183
Scardavi, A., 4:335
Scheffer, R. P., 2:133
Scheffer, T. C., 4:147
Schlegel, D. E., 5:223
Schnathorst, W. C., 3:343
Schroth, M. N., 2:101
Sequeira, L., 1:5
Shaw, M., 1:259
Sher, S. A., 5:247
Siegel, A., 2:179
Sijpesteijn, A. K., 3:127
Smith, S. H., 4:311; 5:223
Snyder, W. C., 1:51
Sommer, N. F., 5:391
Stakman, E. C., 2:1
Starr, M. P., 3:231
Stolp, H., 3:231
Suzuki, N., 3:265
Swenson, K. G., 6:351

T

Tomiyama, K., 1:295
Toussoun, T. A., 2:267
Triantaphyllou, A. C., 2:57

V

van Andel, O. M., 4:349
van der Kerk, G. J. M., 3:127
Van Gundy, S. D., 3:43

W

Waggoner, P. E., 3:103
Walker, J. C., 1:1; 3:197
Wallace, H. R., 6:91
Walter, J. M., 5:131
Wellman, F. L., 2:43
Wetter, C., 3:19
Wheeler, H. E., 6:331
White, E. P., 4:171
Wilhelm, S., 4:53
Woodcock, D., 2:321

Z

Zaitlin, M., 2:179
Zak, B., 2:377
Zaracovitis, C., 5:109
Zentmyer, G. A., 1:375

INDEX OF CHAPTER TITLES

VOLUMES 1-6

PREFATORY CHAPTER
The Future of Plant Pathology — J. C. Walker — 1:1-14
Opportunity and Obligation in Plant Pathology — E. C. Stakman — 2:1-2
Toxins and Cell-Wall Dissolving Enzymes in Relation to Plant Disease — W. Brown — 3:1-18
Whither Pathology — D. L. Bailey — 4:1-8
Plant Pathology and the Plant Pathologist — A. E. Muskett — 5:1-16

APPRAISAL OF DISEASE
The Direct Assay of Plant Pathogen Populations in Soil — J. D. Menzies — 1:127-42
Serology in Virus-Disease Diagnosis — C. Wetter — 3:19-42
Measuring Plant Disease — E. C. Large — 4:9-28
The World Situation of the Cereal Rusts — T. Johnson, G. J. Green, D. J. Samborski — 5:183-200
Aerial Photography for the Study of Plant Diseases — G. H. Brenchley — 6:1-22
Status of American Stem Rusts of Pine — R. S. Peterson, F. F. Jewell — 6:23-40

PATHOGENS
Heterokaryosis and Variability in Plant-Pathogenic Fungi — J. R. Parmeter, Jr., W. C. Snyder, R. E. Reichle — 1:51-76
Biology of Soil-Borne Viruses — C. H. Cadman — 1:143-72
Taxonomy of the Soft Rot Coliform

Bacteria	D. C. Graham	2:13-42
Parasitism Among Neotropical Phanerogams	F. L. Wellman	2:43-56
Reproduction in Plant and Soil Nematodes	A. C. Triantaphyllou, H. Hirschmann	2:57-80
Ozone Damage to Plants	S. Rich	2:253-66
Effect of Crop-Residue Decomposition Products of Plant Roots	Z. A. Patrick, T. A. Toussoun, L. W. Koch	2:267-92
Factors in Survival of Nematodes	S. D. Van Gundy	3:43-68
Deterioration of Stored Grains by Fungi	C. M. Christensen, H. H. Kaufmann	3:69-84
Problems in Speciation of Phytopathogenic Pseudomonads and Xanthomonads	H. Stolp, M. P. Starr, N. L. Baigent	3:231-64
Chemical Treatments and Inoculum Potential of Soil	S. Wilhelm	4:53-78
Problems of Air Pollution in Plant Pathology	E. F. Darley, J. T. Middleton	4:103-18
The Hypersensitive Reaction to Infection by Bacterial Plant Pathogens	Z. Klement, R. N. Goodman	5:17-44
Speciation in Verticillium	I. Isaac	5:201-22
Sites of Virus Synthesis Within Cells	D. E. Schlegel, S. H. Smith, G. A. de Zoeten	5:223-46
Taxonomic Problems Concerning Phytoparasitic Nematodes	M. W. Allen, S. A. Sher	5:246-64
Trends in the Development of Plant Virology	F. O. Holmes	6:41-62
DNA Base Composition and Hybridization in the Taxonomy of Phytopathogenic Bacteria	J. De Ley	6:63-90
The Dynamics of Nematode Movement	H. R. Wallace	6:91-114
The Growth Process in Fungi	N. F. Robertson	6:115-36
Variation in the Smut Fungi	C. S. Holton, J. A. Hoffmann, R. Duran	6:213-42
Current Status of In Vitro Synthesis of Plant Viruses	M. E. Reichmann, J. M. Clark	6:295-316
MORPHOLOGY AND ANATOMY		
Degradation of Cellulose	B. Norkrans	1:325-50
Role of Cuticle in the Defense Against Plant Disease	J. T. Martin	2:81-100
Infection Process in Plant Virus Diseases	A. Siegel, M. Zaitlin	2:179-202
Histochemistry of Foliage Diseases	N. Suzuki	3:265-86
Plant Virus Inclusions	F. P. McWhorter	3:287-312
Pectic Enzymes in Tissue Degradation	D. F. Bateman, R. L. Millar	4:119-46
Anatomy of Plant Virus Infections	K. Esau	5:45-76
Ultrastructure of Fungi	C. E. Bracker	5:343-74
PHYSIOLOGY OF HOST-PATHOGEN INTERACTION		
Growth Regulators in Plant Disease	L. Sequeira	1:5-30
Plant Virus-Host Cell Relations	K. W. Mundry	1:173-96
Physiology of Virus-Infected Plants	T. O. Diener	1:197-218
Host Response to Nematode Infection	L. R. Krusberg	1:219-40
The Physiology and Host-Parasite Relations of the Rusts	M. Shaw	1:259-94
Physiology and Biochemistry of Disease Resistance of Plants	K. Tomiyama	1:295-324
Phytoalexins	I. A. M. Cruickshank	1:351-74
Influence of Plant Exudates on Root-Infecting Fungi	M. N. Schroth, D. C. Hildebrand	2:101-32
Host Specific Plant Toxins	R. B. Pringle, R. P. Scheffer	2:133-56

Biochemistry of Pathological Darkening of Plant Tissues	B. A. Rubin, E. V. Artsikhovskaya	2:157-78
Biological and Physiological Aspects of Bacterial Wilt Caused by Pseudomonas Solanacearum	I. Buddenhagen, A. Kelman	2:203-30
Host Responses to Vascular Infection	C. H. Beckman	2:231-52
Role of Mycorrhizae in Root Disease	B. Zak	2:377-92
Metabolic Aspects of Spore Germination in Fungi	P. J. Allen	3:313-42
Natural Resistance of Wood to Microbial Deterioration	T. C. Scheffer, E. B. Cowling	4:147-70
Fungus Toxins Affecting Mammals	P. J. Brook, E. P. White	4:171-94
Behaviour of Zoospores in Plant-Pathogenic Phycomycetes	C. J. Hickman, H. H. Ho	4:195-220
Nucleic Acid Metabolism in Obligate Parasitism	R. Heitefuss	4:221-44
Aromatic Compounds in the Host-Parasite Interaction	R. Rohringer, D. J. Samborski	5:77-86
Insect Secretions in Plants	P. W. Miles	6:137-64
Factors Influencing Expression of Oxidant Damage to Plants	W. W. Heck	6:165-88
Inoculum Production and Infection by Foliage Pathogens	A. H. Ellingboe	6:317-30
Permeability Phenomena in Plant Disease	H. E. Wheeler, P. Hanchey	6:331-50
GENETICS OF HOST-PATHOGEN INTERACTIONS		
Variation in the Genus Phytophthora	D. C. Erwin, G. A. Zentmyer, J. Galindo, J. S. Niederhauser	1:375-96
Recent Developments in the Genetics of the Host-Parasite System	P. R. Day	4:245-68
Genetics of Powdery Mildews	J. G. Moseman	4:269-90
Genetics of Pathogenicity of Phytophthora Infestans	M. E. Gallegly	6:375-96
EPIDEMIOLOGY-DISEASE IN POPULATION		
The Ecology of Soil-Borne Fungal Disease	D. Park	1:241-58
Microclimate and Plant Disease	P. E. Waggoner	3:103-26
Epiphytic Microorganisms in Relation to Plant Disease	C. Leben	3:209-30
Fungi as Vectors and Hosts of Viruses	R. G. Grogan, R. N. Campbell	4:29-52
Mechanical Transmission of Viruses of Woody Plants	R. W. Fulton	4:79:102
Epidemiological Relations of the Pseudomonad Pathogens of Deciduous Fruit Trees	J. E. Crosse	4:291-310
Dynamics of Seed Transmission of Plant Pathogens	K. F. Baker, S. H. Smith	4:311-34
Epidemiology of Leafhopper-Transmitted Viruses	C. W. Bennett	5:87-108
Interpreting Plant Disease Dispersal Gradients	P. H. Gregory	6:189-212
Role of Aphids in the Ecology of Plant Viruses	K. G. Swenson	6:351-74
INFLUENCE OF ENVIRONMENT		
Climate and Forest Diseases	G. H. Hepting	1:31-50
Environmental Relationships in the Powdery Mildews	W. C. Schnathorst	3:343-66
Controlled Environment in Relation to Plant Disease Research	A. W. Dimock	5:265-84
ACTION OF TOXICANTS		
Chemistry and Physiology of Fungicidal Action	R. G. Owens	1:77-100
Selective Toxicity of Chemicals to Soil Microorganisms	W. A. Kreutzer	1:101-26
Microbial Degradation of Synthetic		

Compounds	D. Woodcock	2:321-40
Inhibition of Cellulases	M. Mandels, E. T. Reese	3:85-102
Fate of Fungicides in Plants	A. K. Sijpesteijn, G. J. M. van der Kerk	3:127-52
Adaptation of Fungi to Metal Toxicants	J. Ashida	3:153-74
Synergism Among Fungicides	A. Scardavi	4:335-48
Tolerance of Fungi to Organic Fungicides	S. G. Georgopoulos, C. Zaracovitis	5:109-30
CHEMICAL CONTROL		
Soil Fungicides	K. H. Domsch	2:293-321
Soil Fungistasis	J. L. Lockwood	2:341-62
Low-Volume Spraying	R. H. Fulton	3:175-96
Amino Acid and Plant Diseases	O. M. van Andel	4:349-68
Action of Oil in the Control of Plant Disease	L. Caipouzos	4:369-90
Physical Aspects of Soil in Relation to the Action of Soil Fungicides	C. A. I. Goring	5:285-318
Control of Diseases of Fruits and Vegetables by Postharvest Treatment	J. W. Ecker, N. F. Sommer	5:391-432
Chemical Control of the Cereal Rusts	J. B. Rowell	6:243-62
BIOLOGICAL AND CULTURAL CONTROL		
Bacteriophages of Plant Pathogens	N. Okabe, M. Goto	1:397-418
Hyperparasitism	M. G. Boosalis	2:363-76
Disease Control Through Virus-Free Stock	M. Hollings	3:367-96
Mechanisms of Biological Control of Soil-Borne Pathogens	R. Baker	6:263-94
BREEDING FOR RESISTANCE		
Use of Environmental Factors in Screening for Disease Resistance	J. C. Walker	3:197-208
Hereditary Resistance to Disease in Tomato	J. M. Walter	5:131-62
The Genetics and Expression of Resistance in Plants to Rusts of the Genus Puccinia	A. L. Hooker	5:163-82
SPECIAL TOPICS		
Functions and Maintenance of Type-Culture Collection	W. A. Clark, W. Q. Loegering	5:319-42
Phytopathology in a Hungry World	W. C. Paddock	5:375-90
Vesicular-Arbuscular Mycorrhiza and Plant Growth	J. W. Gerdemann	6:397-418